AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1.-21. Canceled.
- 22. (Previously Presented) An amperometric sensor suitable for determining the concentration of hydrogen peroxide in a sample, said sensor comprising a ferricyanide compound which, in reduced form, functions as a mediator selective for hydrogen peroxide.
- 23. (Previously Presented) A sensor according to claim 22 further comprising an enzyme which is capable of reacting with an analyte in the sample to produce hydrogen peroxide.
- 24. (Previously Presented) A sensor according to claim 23, wherein the analyte is glucose and the enzyme is glucose oxidase.
- 25. (Previously Presented) A sensor according to claim 22, wherein the ferricyanide compound is of general formula:

$$X_3$$
 Fe (CN)₆

in which the groups X are the same or different and at least one X is a nonmetallic ion.

26. (Previously Presented) A sensor according to claim 25, in which each X is a quaternary ammonium ion of formula (R^1) (R^2) (R^3) (R^4) N^+ in which R^1 to R^4 are the same or different alkyl groups containing from 1 to 20 carbon atoms, provided that at

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least one of R¹ to R⁴ contains at least 4 carbon atoms.

- 27. (Previously Presented) A sensor according to claim 26, wherein the ferricyanide compound is tetrahexylammonium ferricyanide, tetrakisdecylammonium ferricyanide, tetradecyltrimethylammonium ferricyanide, hexadecyltrimethylammonium ferricyanide or trimethylammonium ferricyanide.
- 28. (Previously Presented) A sensor according to claim 25, wherein each X is a phosphonium ion of formula (R^5) (R^6) (R^7) (R^8) P^+ in which R^5 to R^8 are the same or different alkyl groups containing from 1 to 20 carbon atoms, provided that at least one group R^5 to R^8 contains at least 4 carbon atoms.
- 29. (Previously Presented) A sensor according to claim 25, wherein each X is a nitrogen-containing heterocyclic cation.
- 30. (Previously Presented) A sensor according to claim 29, wherein each X is a pyridinium ion.
- 31. (Previously Presented) A sensor according to claim 22, in which the ferricyanide compound is bound to a polymer.
- 32. (Previously Presented) A sensor according to claim 31 wherein the polymer is a polyacrylamide.
- 33. (Previously Presented) A sensor according to claim 31, wherein the ferricyanide compound is bound to the polymer via one of groups R^1 to R^4 of a quaternary ammonium ion of formula

$$(R^1)(R^2)(R^3)(R^4)N^+$$

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or via one of groups R⁵ to R⁸ of a quaternary phosphonium ion of formula

$$(R^5)(R^6)(R^7)(R^8)P^+$$

or via a nitrogen-containing heterocyclic cation.

- 34. (Previously Presented) A sensor according to claim 31 wherein the ferricyanide compound is polypyridinium ammonium ferricyanide or poly(acrylamide-co-diethyldimethyl ammonium) ferricyanide.
- 35. (Previously Presented) A cartridge for an amperometric sensor suitable for measuring hydrogen peroxide in a sample, which cartridge comprises a ferricyanide compound as defined in claim 22.
- 36. (Currently Amended) A cartridge according to claim 35, further comprising an enzyme as defined in claim 223.
- 37. (Currently Amended) A cartridge according to claim 35, further comprising an enzyme as defined in claim 324.
- 38. (Previously Presented) A method for determining the concentration of hydrogen peroxide in a sample using the amperometric sensor as claimed in claim 23.
- 39. (Previously Presented) A method for determining the concentration of an analyte in a sample using the amperometric sensor as claimed in claim 24, wherein the enzyme of the sensor reacts with the analyte to produce hydrogen peroxide.
 - 40.-43. (Canceled)